

# BIOLOGICAL AND PHYSICO-CHEMICAL CHARACTERIZATION SERVICES

WE PERFORM IN VITRO AND IN VIVO ASSAYS TO ASSURE YOUR PRODUCTS NANOSAFETY

## IN VITRO CHARACTERIZATION

Physicochemical characterization:

TEM, SEM, NMR, ICP,  
Z-potential, DLS, FTIR, MS...

Stability in biological media

Effects of the sterilization procedure

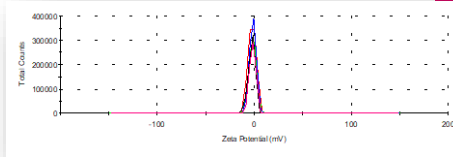
Endotoxin

Yeast and bacteria contamination

Cytotoxicity

Immunotoxicity

Hemocompatibility



## IN VIVO CHARACTERIZATION

TDAR – T cell dependent antibody response

Case by case study



Bio compatibility studies are necessary to demonstrate the total absence of nanotoxicity

In vivo biodistribution studies are performed to ensure that biodegradation occurs correctly without bioaccumulation

**DID YOU FIND WHAT YOU WERE LOOKING FOR?**

We can advise you on which technique is the best for each type of sample to design a specific analysis for each case, depending on the information needed and the type of sample